

## Halogen Systems Battery IoT Cellular Modem Package

### Overview

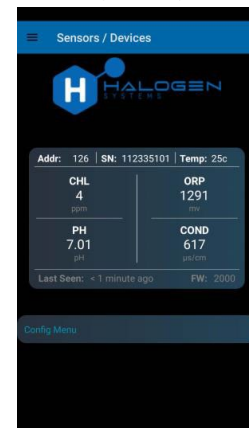
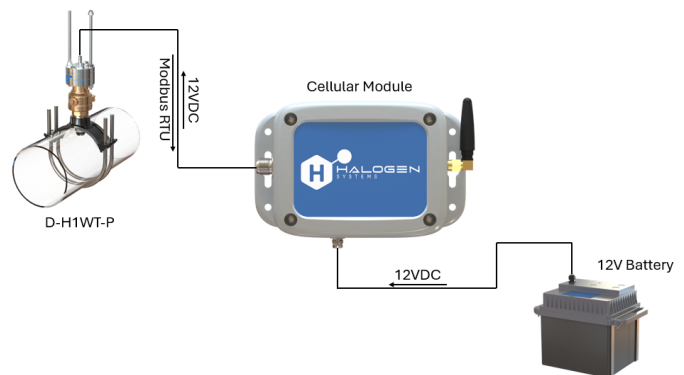
The Halogen KIT5 is a compact and convenient package that provides remote power and communication with Halogen's sensors. The transmission frequency may be varied using the Halogen Mobile App downloadable from Apple and Android App Stores. Long cycle time often without the need for a solar panel. Integrated module with Bluetooth mobile and Cloud connected.

### Battery powered operations

The IoT module will set the sensor in sleep mode and wake it up periodically. The sensor will then go through a 120 second procedure (activation, stabilization, measure) and update the Modbus registers in the IoT module, before switching again to sleep mode.

This module can be used with various 12 VDC Lithium Batteries. If a waterproof installation is needed, an IP68 30AH enclosure is available.

- Measurement intervals can be configured in the BT module using the Mobile App.
- A 3 Pin M8 Connector cable connects the IoT Module to the battery package.
- Versions are available for either North America (NA) or Europe, Middle East, Asia (EMEA).
- Powers an MP5 Sensor in intermittent mode for long battery life
- Measure up to every 15 minutes and data transmission once per day. These settings are adjustable from the Mobile App
- The modem has an eSim for easy connection to available Cellular Networks
- The modular cellular network modem is upgradeable as technology advances.



## Technical Specifications

Overall	
Description	Battery and Remote Communication Module
Dimensions	
Weight	11 lbs.
Environmental	
Operating temperature	-20 to 60°C (-4 to 140°F) (8W (AC)/9W (DC) sensor load) -20 to 45°C (-4 to 113°F) (28W (AC)/20W (DC) sensor load) Linear derating between 45 and 60°C (-1.33 W/°C)
Power, data storage, and connectivity	
Power requirements	12.8 VDC 30 to 50 AH Battery
Charging	2 Hours Fast Charging 50A BMS to protect from overcharging & discharging, over current, short circuit, and over temp. 2 hours fully charged by a 25A charger.
	IP68 12V 50AH Rechargeable Lithium Battery (LiFePO4)
Life	10-Years Lifetime provides 4000+ cycles & a 10-year lifetime keeps the capacity with a low self-discharge rate.
Measurement interfaces	One MP5 Modbus connectors

\* Subject to change without notice

## Order information

Model Numbers
IoT